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NEWS 41 May 19 RAPRA enhanced with new search field, simultaneous left and right truncation  
  
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MACINTOSH VERSION IS V6 0b(ENG) AND V6 0jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003  
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=> s NTTP1 or neuronal tyrosine/threonine phosphatase

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=> s NTTP1 or neuronal tyrosine/threonine phosphatase

'?' TRUNCATION SYMBOL NOT VALID WITHIN 'TYROSINE?THREONINE'

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'?' TRUNCATION SYMBOL NOT VALID WITHIN 'TYROSINE?THREONINE'

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'woman' to search for both 'woman' and 'women'. Enter 'HELP

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=> s NTTP1 or neuronal tyrosine/threonine phosphatase

L1 2 NTTP\* OR NEURONAL TYROSINE/THREONINE PHOSPHATASE

=> s '!' and (transgen? or knockout or disrupt? or deficien? or delet?)

L2 1 L1 AND (TRANSGEN? OR KNOCKOUT OR DISRUPT? OR

DEFICIEN? OR DELET?)

)

=> d bib abs

L2 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS

AN 2002 638352 CAPLUS

DN 137.180791

TI \*\*\*Transgenic\*\*\* mice containing neuronal tyrosine/threonine protein phosphatase gene \*\*\*NTTP1\*\*\* \*\*\*disruptions\*\*\* and their use as disease models and for screening for modulators

IN Allen, Keith D

PA USA

SO U.S. Pat. Appl. Publ., 26 pp

CODEN USXXCO

DT Patent

LA English

FAN CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE

PI US 2002116729 A1 20020822 US 2001-5858 20011204

PRAI US 2000-251802P P 20001206

AB The present invention relates to \*\*\*transgenic\*\*\* animals, as well as compositions and methods relating to the characterization of gene function. Specifically, the present invention provides \*\*\*transgenic\*\*\* mice comprising a \*\*\*disruption\*\*\* in the \*\*\*NTTP1\*\*\* gene encoding a neuronal tyrosine/threonine phosphatase, a member of the mitogen-activated protein kinase phosphatase gene family which contains a complex trinucleotide repeat in the coding region. To investigate the role of \*\*\*NTTP1\*\*\*, \*\*\*disruptions\*\*\* in the \*\*\*NTTP1\*\*\* genes are produced by homologous recombination using 5' and 3' arms in a targeting construct. \*\*\*Transgenic\*\*\* mice containing \*\*\*NTTP1\*\*\* \*\*\*disruptions\*\*\* exhibit anti-depressive behavior, relative to wild type mice, as shown by a decrease in immobile time when tail suspended. Such \*\*\*transgenic\*\*\* mice are useful as models for disease and for identifying agents that modulate gene expression and gene function, and as potential treatments for various disease states and disease conditions.

=> d bib abs l1

L1 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS

AN 2002 638352 CAPLUS

DN 137.180791

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=> d bib abs l1 1.  
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L1 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS  
AN 2002 638352 CAPLUS  
DN 137 180791

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L1 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS  
AN 2001 447761 CAPLUS  
DN 135 180233

TI The in vivo neuromodulatory effects of the herbal medicine Ginkgo biloba  
AU Watanabe, Coran M. H., Wolffram, Siegfried, Ader, Peter, Rimbach, Gerald, Packer, Lester, Maguire, John J., Schultz, Peter G., Gohil, Kishorchandra  
CS Department of Chemistry, Scripps Research Institute, La Jolla, CA, 92037, USA

SO Proceedings of the National Academy of Sciences of the United States of America (2001), 98(12), 6577-6580  
CODEN PNASA6, ISSN 0027-8424

PB National Academy of Sciences  
DT Journal  
LA English

AB Exts of G. biloba leaves are consumed as dietary supplements to counteract chronic age-related neuro. disorders. High-d. oligonucleotide microarrays were used to define the transcriptional effects in the brain cortex and hippocampus of adult female C57BL6 mice fed diets supplemented with the herbal ext. Gene expression RT-PCR anal. was then focused on the mRNAs that showed >3-fold change in their expression. In the brain cortex, mRNAs for neuronal tyrosine/threonine phosphatase 1 and microtubule-assoc. protein factor tau were enhanced.

Hyperphosphorylated tau is the major constituent of the neurofibrillary tangles in the brain of Alzheimer disease patients. The expression of alpha-amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid channels (AMPA-2 receptor), calcium and chloride channels, prolactin, and growth hormone (GH), all of which are assoc. with brain function, were also up-regulated. In the hippocampus, only transthyretin mRNA was upregulated. Transthyretin has a role in hormone transport in the brain and possibly a neuroprotective role by amyloid- $\beta$  sequestration. Thus diets supplemented with G. biloba leaf ext. have notable neuromodulatory effects in vivo. The data illustrate the utility of genome-wide expression monitoring to investigate the biol. actions of complex herbal exts.

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